

1906.

URBAN DISTRICT OF NEWMARKET, SUFFOLK.

-----oOo-----

ANNUAL REPORT OF THE MEDICAL OFFICER OF HEALTH ON THE
HEALTH AND SANITARY CONDITION OF THE URBAN DISTRICT OF
NEWMARKET, SUFFOLK, DURING THE TWELVE MONTHS ENDING 31st.
DECEMBER 1906.

Population of Urban District according to Census 1901
was 10,686.

Area.- 5640 Acres. Rateable Value.- £78,595.

The Chairman and Members of the
Newmarket Urban District Council.

Gentlemen,

I beg to hand you my Report on the Sanitary
Condition of the Town for the year 1906.

I. BIRTHS.- There were in the Newmarket Urban District
247 births registered, 142 being males and 105 females; this
gives a birth rate of 21.48 per thousand. In 1905 the birth
rate was 22 ; in 1904, 24.6 ; and in 1903, 26.76. Since 1903
the birth rate has shown a steady decrease.

II.- DEATHS.- The number of deaths from all causes during
the year amount to 156. Of this number 38 occurred
among people not belonging to the district ; this leaves a
total of 118 which is equivalent to a death rate of 10.2 per
thousand. In 1905 it was 8.9 per thousand ; in 1904 the death
rate was 15.06, and in 1903, 11.5.

THE PRINCIPAL ZYMOTIC DISEASES were responsible for ten deaths - one from Measles, three from Whooping Cough, two from Typhoid Fever, three from Diarrhoea and one from Puerperal Fever.

Zymotic Deaths.	Small Pox.	Scarlet Fever.	Diphtheria.	Croup.	Typhoid Fever.	Measles.	Whooping Cough.	Diarrhoea.	Influenza.	Puerperal Fever.
1897	0	0	0	0	0	0	0	6	0	0
1898	0	0	0	0	0	9	0	6	0	0
1899	0	0	2	0	0	0	1	4	0	0
1900	0	0	0	0	2	0	2	1	0	0
1901	0	1	0	0	1	0	3	16	0	0
1902	0	1	1	0	1	7	0	4	0	0
1903	0	3	1	0	0	0	1	3	0	0
1904	0	1	3	0	1	0	6	12	2	1
1905	0	0	3	2	0	0	0	6	1	2
1906	0	0	0	0	2	1	3	3	0	1

There were 18 deaths from Phthisis giving a death rate of 1.5 per thousand. In 1905 there were 15 deaths and in 1904, 20. Other tubercular diseases accounted for 6 deaths. Seven deaths were due to Cancer - last year these were 8.

III. INFECTIOUS DISEASES NOTIFICATION ACT.- 20 cases were notified during the year as against 44 in 1905 ; 85 in 1904, and 135 in 1903, viz:- Diphtheria 4, Erysipelas 2, Scarlet Fever 3, Typhoid Fever 3, and Puerperal Fever 2.

Cases Notified.	Small Pox.	Scarlet Fever.	Diphtheria.	Membranous Croup.	Typhoid Fever.	Puerperal Fever.	Erysipelas.	Chicken Pox.
1897	0	12	4	0	1	1	5	0
1898	0	16	2	0	3	0	4	0
1899	0	10	6	0	4	0	5	0
1900	0	7	0	0	11	0	3	0
1901	0	10	0	0	6	0	1	0
1902	0	50	4	0	1	0	6	0
1903	3	85	6	0	7	0	5	29
1904	0	65	5	0	4	1	1	8
1905	0	21	11	1	2	5	4	0
1906	0	3	4	0	9	2	2	0

SCARLET FEVER.- Of the three cases two occurred in one house, one case being removed to the Infectious Hospital, the second case could not be removed owing to want of space. The third case was removed to the Hospital. One case occurred in April, one in July, and one in August. The case treated at home was well isolated.

DIPHTHERIA.- The four cases which were notified all occurred in Exning Ward, one case being an inmate of the Infectious Hospital. Two

cases were treated at home and one was removed to Isolation Hospital.

ENTERIC FEVER.- Nine cases were notified - one in April, three in May, one in June, two in July, one in October, and one in December. Attempts were made to trace the source of the infection, the well water in three cases being analysed and found pure. One case was thought to be connected with sewage contamination and two cases suggested infection by ice cream. In each case the sanitary tins for dejecta and disinfectants were provided, the tins being removed each morning and the contents burnt in the Council's Destructor.

PUERPERAL FEVER.- Two cases were notified with one death. In each case the bedding and clothing were destroyed and rooms thoroughly disinfected. The nurses attending the cases were prohibited from attending maternity cases until their clothing &c. had been disinfected. Five cases were notified last year with ^{two} ~~one~~ deaths.

DIARRHOEA.- Three cases were notified, all being under one year of age.

BAKEHOUSES & SLAUGHTERHOUSES.- These have been regularly visited. One underground bakehouse exists in Newmarket, but it is kept clean and well ventilated, therefore the Council has been advised to grant a renewal of the certificate for a further twelve months. The slaughterhouses were generally found to be in a good sanitary condition, limewashing and cleansing has been carried out at frequent intervals according to instructions.

PHYSICAL FEATURES & GENERAL CHARACTER OF DISTRICT.- The Urban District is, at its lowest level, viz :- at Exning, about 50 feet above sea level ; the lowest point of the town proper, viz:- at the Post Office, High Street, is 90 feet above sea level, its highest point being about 120 feet. The character of the sub-soil of the town, generally, is chalk and is wholly

residential. The surrounding country is open and flat.

HOUSE ACCOMMODATION.- The working classes mainly consist of stablemen and are housed in brick cottages of 5 to 7 rooms costing from £150 to £200 to erect and commanding a rental of six to seven shillings a week ; these are now built under Bye-laws similar to those of the Model Bye-laws of the Local Government Board. The older part of the town, known as the "Rookery", consists of chalk-flint houses (back to back) lath and plaster, and brick ; these were erected prior to the formation of the old Local Board of Health and consequently little or no provision was made for open space round the buildings.

REFUSE DESTROYER.- House refuse is collected weekly in the district by the Council's carts, the total number of loads destroyed during the year being 2,339 of house refuse and 174 loads of trade, shop, and from old refuse heaps, - total 2,513 loads.

The Steam Disinfector has been constantly used for disinfecting articles of bedding, clothing, &c., from houses where infectious disease has taken place (chiefly Scarlet Fever) with very good results.

WATER SUPPLY.- The water supply is derived from deep wells sunk in the chalk and is at present in the hands of a private company ; it is a high pressure supply. There are also a few private wells, but these are condemned when pollution is detected.

SEWERAGE & SEWAGE DISPOSAL.- The Main Sewerage and Sewage Disposal Scheme is completed; the sewage is treated first in sedimentation tanks and subsequently in Bacteria Beds - coarse and fine - the effluent finally discharging over land, the result giving a high degree of purification as shewn by analysis. At Exning, only a few house drains remain to be connected to the public sewers ; these are undertaken and the old privies are abolished from time to time as circumstances permit.

COWSHEDS.- These have been visited at various times. In one only, some overcrowding existed and this was rectified. On the whole the cows were well kept and clean; the sheds are whitewashed once or twice yearly.

FACTORIES & WORKSHOP ACTS.- Among these the Dairies, Ice cream and Sweet Shops, Bakehouses and other food purveyory shops, have been visited and the sanitary condition investigated & found good.

A list of outworkers was asked for from the makers of wearing apparel, and from the replies received it was found that the work of these shops is done on the premises, no out-work being given with the exception of one or two odd jobs at very busy times. Various Laundries have been visited, no alteration being found necessary.

RAINFALL.- During the year 23.23 inches of rainfall has been recorded at the Sewage Works, as under :-

January.	2.91	July.	1.02
February.	1.96	August.	1.06
March.	1.74	September.	.73
April.	.71	October.	3.02
May.	1.42	November.	3.56
June.	3.32	December.	1.78
			<hr/>
			Total. 23.23
			<hr/>

I have the honour to be

Your obedient Servant,

(Signed) JOHN H. MAUND.

Medical Officer of Health.

Newmarket,

31st January 1907.

TABLE I.

VITAL STATISTICS OF WHOLE DISTRICT DURING 1906 AND PREVIOUS YEARS.
NEWMARKET URBAN DISTRICT

Year	Population estimated to Middle of each Year.	Births.		Total deaths regis- tered in the Dis- trict.			Total Deaths in Public Insttu- tions in the Dis- trict.	Nett Deaths at all ages belonging to the District.	
		Number	Rate.	Under 1 year	At all ages.			Number	Rate
				Number	Number	Rate			
1897	8631	271	31.5	45	166	19.2	36		14.8
1898	9820	263	26.8	46	153	15.4	20		13.5
1899	10500	277	26.5	50	167	15.9	31		12.9
1900	10500	275	26.19	55	160	15.2	33	136	12.9
1901	10686	273	25.5	49	168	15.7	30	138	11.
1902	10686	284	26.57	32	178	16.6	42	148	13.8
1903	10686	286	26.76	34	152	14.2	40	123	11.5
1904	10686	263	24.6	43	187	17.4	40	161	15.06
1905	11500	253	22.	18	130	11.3	41	103	8.9
1906	11590	247	21.47	31	156	13.5	49	123	10.7

There were 33 deaths of Non-residents registered in Public Institutions in the District.

At Census of 1901 the total population at all ages was 10,686
The number of inhabited houses were 2,114
Average number of persons per house 5.05

The area of the District in acres (exclusive of area covered by water) is 5,640.

TABLE II.

VITAL STATISTICS OF SEPARATE LOCALITIES IN 1906 AND PREVIOUS YEARS.
NEWMARKET URBAN DISTRICT.

		1902.	1903.	1904.	1905.	1906.
Exning.	Population.	3814	3814	3814	4124	4193
	Births registered.	89	106	103	96	94
	Deaths at all ages.	46	30	51	27	32
	Deaths under one year.	13	13	9	4	9
St. Mary's.	Population.	2825	2825	2825	2999	3028
	Births registered.	80	74	66	69	63
	Deaths at all ages.	45	34	59	40	43
	Deaths under one year.	8	8	16	8	12
All Saints.	Population.	4047	4047	4047	4377	4451
	Births registered.	115	106	96	88	90
	Deaths at all ages.	57	48	52	36	43
	Deaths under one year.	10	13	14	5	8

TABLE III.

CASES OF INFECTIOUS DISEASE NOTIFIED DURING THE YEAR 1906.
NEWMARKET URBAN DISTRICT.

Notifiable Disease.	Cases Notified in whole District.					Total Cases Notified in each Locality.		
	At all Ages.	At Ages - years.				Exning.	St. Marys.	All Saints.
		1 to 5	5 to 15	15 to 25	25 to 65			
Diphtheria.	4	.	3	.	1	4	-	-
Erysipelas.	2	.	.	.	2	1	-	1
Scarlet Fever.	3	.	2	.	1	1	-	2
Enteric Fever.	9	.	3	1	5	3	1	5
Puerperal Fever.	2	.	.	.	2	1	1	-
Totals.	20	.	8	1	11	10	2	8

Isolation Hospital.- Fordham Road, Exning.

TABLE IV.

CAUSES OF, AND AGES AT, DEATH DURING YEAR 1906.

NEWMARKET URBAN DISTRICT.

Causes of Death.	Deaths at the subjoined ages of "Residents" whether occurring in or beyond the District.							Deaths at all ages belonging to Localities whether in or beyond the District.		
	All ages	Un- der 1 year	1 to 5.	5 to 15	15 to 25	25 to 65	65 and over.	Ex- ning	St. Marys	All Saints
Measles.	1	1	-	-	-	-	-	-	-	1
Whooping Cough.	3	2	1	-	-	-	-	3	-	-
Enteric Fever.	2	-	-	1	-	1	-	1	-	1
Diarrhoea.	3	3	-	-	-	-	-	-	1	2
Enteritis.	2	1	-	-	-	-	1	1	1	-
Puerperal Fever.	1	-	-	-	-	1	-	1	-	-
Phthisis.	18	-	2	3	1	12	-	5	9	4
Other tubercular diseases.	6	-	5	1	-	-	-	2	-	4
Cancer.	7	-	-	-	-	2	5	2	-	5
Bronchitis.	8	3	1	1	-	-	3	3	5	-
Pneumonia.	3	-	1	-	-	-	2	.	.	3
Alcoholism Cirrhosis of liver)	4	-	-	-	-	3	1	-	2	3
Venereal diseases	1	-	-	-	-	1	-	-	-	1
Premature birth.	4	4	-	-	-	-	-	-	3	1
Diseases & accidents of parturition.	2	-	-	-	-	2	-	-	1	1
Heart diseases.	7	-	-	-	-	3	4	1	2	4
Accidents.	3	2	-	-	-	1	-	-	1	2
Suicides.	2	-	-	-	-	2	-	1	1	-
All other causes.	45	15	2	-	-	9	19	13	18	14
All causes.	122	31	12	6	1	37	35	33	44	45

There were 49 deaths in Public Institutions in the District.

TABLE V.

INFANTILE MORTALITY DURING THE YEAR 1906.

DEATHS FROM STATED CAUSES IN MONTHS UNDER ONE YEAR OF AGE.

NEWMARKET URBAN DISTRICT.

Cause of Death.	Under one Month	1 to 2	2 to 3	3 to 4	4 to 5	5 to 6	6 to 7	7 to 8	8 to 9	9 to 10	Total Deaths under one Year.
ALL CAUSES, Certified.	11	6	1	1	3	4	2	1	1	1	31
Measles.	-	-	-	-	-	-	-	-	-	1	1
Whooping Cough.	-	1	-	1	-	-	-	-	-	-	2
Diarrhoea, all forms.	-	-	-	-	1	1	-	1	-	-	3
Enteritis.	-	-	-	-	-	1	-	-	-	-	1
Premature Birth.	4	-	-	-	-	-	-	-	-	-	4
Congenital Defects.	-	1	-	-	1	-	-	-	-	-	2
Atrophy, Debility,) Marasmus.)	4	2	1	-	-	1	-	-	-	-	8
Syphilis.	-	-	-	-	-	-	-	-	1	-	1
Convulsions.	2	1	-	-	-	-	1	-	-	-	4
Bronchitis.	-	-	-	-	1	1	1	-	-	-	3
Suffocation, overlying.	1	1	-	-	-	-	-	-	-	-	2

Population estimated to middle of 1906 :- 11,590.

Births in the year.- { legitimate.- 237
 { illegitimate.- 10

Deaths in the year of,- { legitimate infants.- 28
 { illegitimate ,, 3

Deaths from all Causes at all Ages.- 122.



[Faint, illegible handwriting]

[illegible]